

FIG. 1A

10 30 50
 TTCGGGCACGAGGGCAGGATGGCGCCACCACAGCTAGAGTACATCTAGGTGCGTTCCCTG
 M A P P P A R V H L G A F L
 70 90 110
 GCAGTGACTCCGAATCCCGGGAGCGCAGCGAGTGGGACAGAGGCAGCCGCGGCCACACCC
 A V T P N P G S A A S G T E A A A A T P
 130 150 170
 AGCAAAGTGTGGGGCTCTTCCGCGGGGAGGATTGAACCACGAGGCGGGGGCCGAGGAGCG
 S K V W G S S A G R I E P R G G G R G A
 190 210 230
 CTCCCTACCTCCATGGGACAGCACGACCCAGTCCCCGGGCCCCGGGCAGGGCGCGCCCCA
 L P T S M G Q H G P S A R A R A G R A P
 250 270 290
 GGACCCAGGCCGCGCGGGAAGCCAGCCCTCGGCTCCGGGTCCCAAGACCTTCAAGTTT
 G P R P A R E A S P R L R V H K T F K F
 310 330 350
 GTCGTCGTCGGGGTCTGCTGTCAGGTGCTACCTAGCTCAGCTGCAACCATCAAACCTTCAT
 V V V G V L L Q V V E S S A A T I K L H
 370 390 410
 GATCAATCAATTGGCACACAGCAATGGGAACATAGCCCTTTGGGAGAGTTGTGTCCACCA
 D Q S I G T Q Q W E H S P L G E L C P P
 430 450 470
 GGATCTCATAGATCAGAACGTCTCTGGAGCCTGTAACCGGTGCACAGAGGGTGTGGGTTAC
 G S H R S E R P G A C N R C T E G V G Y
 490 510 530
 ACCAATGCTTCCAACAATTTGTTTGCTTGCCTCCCATGTACAGCTTGTAATCAGATGAA
 T N A S N N L F A C L P C T A C K S D E
 550 570 590
 GAAGAGAGAAAGTCCCTGCACCACGAGCAGGAACACAGCATGTCTAGTGCAAACCAGGAACT
 E E R S P C T T T R N T A C Q C K P G T
 610 630 650
 TTCCGGAATGACAAATTTGCTGAGATGTCCCGGAAGTGCAGCACAGGGTGCCCCAGAGGG
 F R N D N S A E M C R K C S T G C P R G
 670 690 710
 ATGGTCAAGGTCAAGGATTGTACGCCCTGGAGTGACATCGAGTGTGTCCACAAAGAATCA
 M V K V K D C T P W S D I E C V H K E S
 730 750 770
 GGCAATGGACATAATATATGGGTGATTTTGGTTGTGACTTTGGTTGTTCCGTTGCTGTG
 G N C H N I W V I L V V T L V V P L L L

 790 810 830
 GTGGCTGTGCTGATTGTCTGTGTTGTCATCGGCTCAGGTTGTGGAGGGGACCCCCAAGTGC
 V A V L I V C C C I G S G C G G D P K C

 850 870 890
 ATGGACAGGGTGTGTTTCTGGCGCTTGGGTCTCCTACGAGGGCCTGGGGCTGAGGACAAT
 M D R V C F W R L G L L R G P G A E D N
 910 930 950
 GCTCACAACGAGATTCTGAGCAACGCAGACTCGCTGTCCACTTTCGTCTCTGAGCAGCAA
 A H N E I L S N A D S L S T F V S E Q Q
 970 990 1010
 ATGGAAAGCCAGGAGCCGGCAGATTTEACAGGTGTCACTGTACAGTCECCAGGGGAGGCA
 M E S Q E P A D I T G V T V Q S P G E A

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

FIG. 1B

1030 1050 1070
CAGTGTCTGCTGGGACCGGCAGAAGCTGAAGGGTCTCAGAGGAGGAGGCTGCTGGTTCCA
Q C L L G P A E A E G S Q R R R L L V P
1090 1110 1130
GCAAATGGTGCTGACCCCACTGAGACTCTGATGCTGTTCTTTGACAAGTTTGCAAACATC
A N G A D P T E T L M L F F D K F A N I
1150 1170 1190
GTGCCCTTTGACTCCTGGGACCAGCTCATGAGGCAGCTGGACCTCACGAAAAATGAGATC
V P F D S W D Q L M R Q L D L T K N E I
1210 1230 1250
GATGTGGTCAGAGCTGGTACAGCAGGCCAGGGGATGCCTTGTATGCAATGCTGATGAAA
D V V R A G T A G P G D A L Y A M L M K
1270 1290 1310
TGGGTCAACAAAACCTGGACGGAACGCCTCGATCCACACCCTGCTGGATGCCTTGGAGAGG
W V N K T G R N A S I H T L L D A L E R
1330 1350 1370
ATGGAAGAGAGACATGCAAAAGAGAAGATTTCAGGACCTCTTGGTGGACTCTGGAAAGTTTC
M E E R H A K E K I Q D L L V D S G K F
1390 1410 1430
ATCTACTTAGAAGATGGCACAGGCTCTGCCGTGTCCTTGGAGTGAAAGACTCTTTTTTACC
I Y L E D G T F S A V S L E
1450 1470 1490
AGAGGTTTTCTCTTAGGTGTTAGGAGTTAATACATATTAGGTTTTTTTTTTTTTAAACAT
1510 1530 1550
GTATACAAAGTAAATTCTTAGCCACGTGTATTGGCTCCTGCCTGTAATCCCATCACTTTG
1570 1590 1610
GGAGGCTGACGCCGGTGGATCCACTTGAGGTCCGAAGTTCCAAGACCAGCCCTGAACCAA
1630 1650 1670
CATCGTGGAAATGCCCCGTCTTTTACAAAAAATACCAAAAAATTCAACTGGAATGTGCATG
1690 1710 1730
GTGTGTGCCATCATTTCTCGGCTAACTACGGGAGGTCTGAGGCCAGGAGAATCCACTTG
1750 1770 1790
AACCCACGAAGGACAGTGTAGACTGCAGATTGCACCACTGCACTCCCAGCCTGGGAACA
1810 1830 1850
CAGAGCAAGACTCTGTCTCAAGATAAAATAAAATAAACTTGAAAGAATTATTGCCCCGACT
1870 1890 1910
GAGGCTCACATGCCAAAGGAAAATCTGGTTCTCCCCTGAGCTGGCCTCCGTGTGTTTCCT
1930 1950 1970
TATCATGGTGGTCAATTGGAGGTGTTAATTGGAATGGATTAAGGAACACCTAGAACACTG
1990 2010 2030
GTAAGGCATTATTTCTGGGACATTATTTCTGGGCATGCTTTCGAGGGTGTTCAGAGGG
2050 2070 2090
GATTGGCATGCGATCGGGTGGACTGAGTGGAAAAAGACCTACCCTTAATTGGGGGGGCAC
2110 2130 2150
CGTCCGACAGACTGGGGAGCAAGATAGAAGAAAAACAAAAAAAAAAAAAAAAAAAAA

FIG. 2A

1 M - - - - - L G - - - - - I W T - h Fas protein
 1 M G L S T V P D L L L P L V L L E L L V G I Y P S G V I G L V P H - - - - - h TNFR I Protein
 1 M E Q R P P R G C A A V A A A L L L V L L G A R A Q G - - - - - DR3 protein
 1 M A P P P A R V H L G A F L A V T P N P G S A A S G T E A A A A T P S K V W G S DR4 protein

 7 - - - - - L L P L V L T - - - S V - - - - - A R L - S S K S V N h Fas protein
 34 - L G D R E K R D S V C P Q G K Y I H P O N N S I C C T K C H K G T Y L Y N D C h TNFR I Protein
 27 - - G T R S P R - C D C A - G D F - H K K I G L F C C R G C P A G H Y L K A P C DR3 protein
 41 S A G R I E P R G G G R G A L P T S M G O H G P S - - - - - A R A R A G R A P G DR4 protein

 25 A Q V T D I N S K G L E L R K T V T T V E T O N L E G - - - - - L H H h Fas protein
 73 P G P G Q D T D C R E C E S G S F T A S E N H L R - H C L S C S K C R K E M G Q h TNFR I Protein
 62 T E P C G N S T C L V C P Q D T F L A W E N H N S E C A R C Q A C D E Q A S O DR3 protein
 76 P R P A R E A S P R L R V H K T F K F V V V G V L L Q V V P S S A A T I K L H D DR4 protein

 55 D G - - - - - O F C H K P - - - - - C P P G E R K A R D C T V N G D E P D C V P C Q h Fas protein
 112 V E I S S - - - - - C T V D R D T V C G C - - - - - R K N Q Y R H Y W h TNFR I Protein
 102 V A L E N - - - - - C S A V A D T R C G C - - - - - K P G W F V E C - DR3 protein
 116 Q S I G T Q O W E H S P L G E L C P P G S H R S - - - - - E R P G A C N R C T DR4 protein

 87 E G K E Y T D K A H F S S K C R R C R L C D E G H G L E V E I N C T R T O N T K h Fas protein
 137 S E N L F Q C - - - - - F N C S L C L N - G T V H - - - - - L S C Q E K O N T V h TNFR I Protein
 126 - - Q V S O C V S S S P F Y C Q P C L D C G A L H R - H T R L L C S R R D T D C DR3 protein
 150 E G V G Y T N A S N N L F A C L P C T A C K S D E - - - - - E E R S P C T T T R N T A DR4 protein

 127 C R C K P N F F C N S T V C E H C D P C T K - C E H G I I K - - E C T L T S N T h Fas protein
 166 C T C H A G F F L R E - - - N E C V S C S N - C K K S L E C T K L C L P Q I E N h TNFR I Protein
 163 G T C L E G F Y E H G - - - D G C V S C P T - S T L G - S C P E R C A A V C G W DR3 protein
 188 C Q C K P G T F R N D N S A E M C R K C S T G C P R G M V K V K D C T P W S D I DR4 protein

 164 K C - K E E G S R S N L G W L C L - - - - - L L L P I P L I V - - - - - h Fas protein
 202 V K G T E D S G T T V L L P L V I F F G L C L L S L F I G L M - - - - - h TNFR I Protein
 198 R O - - - - - M F W V Q V L L A G L V V P L L L G A T L T - - - - - DR3 protein
 228 E C V H K E S G N G H N I W V I L V V T L V V P L L L V A V L I V C C C I G S G DR4 protein

 189 - - - - - W - - - - - h Fas protein
 234 - - - - - Y R Y Q R - - - W K S K L Y S I V C G K S T P E K E G E L E G T T T K h TNFR I Protein
 222 - - - - - Y T Y R H C - W P H K P L - V T A D E A G M E A L T P P P A T H L S DR3 protein
 268 C G G D P K C M D R V C F W R L G L L R G P G A E D N A H N E I L S N A D S L S DR4 protein

 190 - - V K R K E V Q K T - - - - - C h Fas protein
 266 P L A P N P S F S P T P G F T P T L G F S P V P S S T F T S S S T Y T P G D - C h TNFR I Protein
 254 P L D S A H T L L A P P D S S E K I C T V Q L V G N S W T P G Y P E T Q E A L C DR3 protein
 308 T F V S E Q Q M E S Q E P A D L T G V T V O S P G - - - - - E A Q C DR4 protein

 200 - - - - - R K H R K E N Q G S H E S P T L N P E T V A I N L S - - - - - h Fas protein
 305 P N F A A P R R E V A P P Y Q G A D P I L A T A L A S D P I P N P L Q K W E D S h TNFR I Protein
 294 P Q V T W S W D Q L - - P S R A L G P A A A P T L S P - - - - - E S P DR3 protein
 337 - - - - - I L G P A E A E G S Q R R R L L V P A N G A D P T E - - - - - DR4 protein

 226 - - - - - D V D L S K Y I T T I A G V M T L S Q V K G F V R K N G V N E A h Fas protein
 345 A H K P Q S L D T D D P A T L Y A V V E N V P P L - R W K E F V R R L G L S D H h TNFR I Protein
 322 A G S P A M M L Q P G P Q - L Y D V M D A V P A R - R W K E F V R T L G L R E A DR3 protein
 363 - - - - - T L M L - - F F D K F A N I V P F D S W D Q L M P Q L D L T K N DR4 protein

 258 K I D E I K N D N V Q D T A E O K V Q L L R N W H O L H G K K E A - Y D T L I K h Fas protein
 384 E I D R L E L Q N G R C L R E A Q Y S M L A T W R R R T P R R E A T L E L L L G R h TNFR I Protein
 360 E I E A V E V E I G R - F R D Q O Y E M L K R W R Q Q P - - - A G L G A V Y A DR3 protein
 393 E T D V V R A G T A - G P G D A L Y A M L M K M V N K T G R N A S - I H T L L D DR4 protein

 297 D L K K A N L C T L A E K I O T I I L K D I T S D S E N S N F R N E I Q S L V h Fas protein
 424 V L R D M D L L G C L E D I E A I - - - - - C G P A A L P P A P S L L R h TNFR I Protein
 396 A L E R M G L D G C V E D L - - - - - R S R L Q R G P DR3 protein
 431 A L E R M E E R H A K E K I O D L L V D S G K F I Y L E D G T G S A V S L E DR4 protein

Figure 3

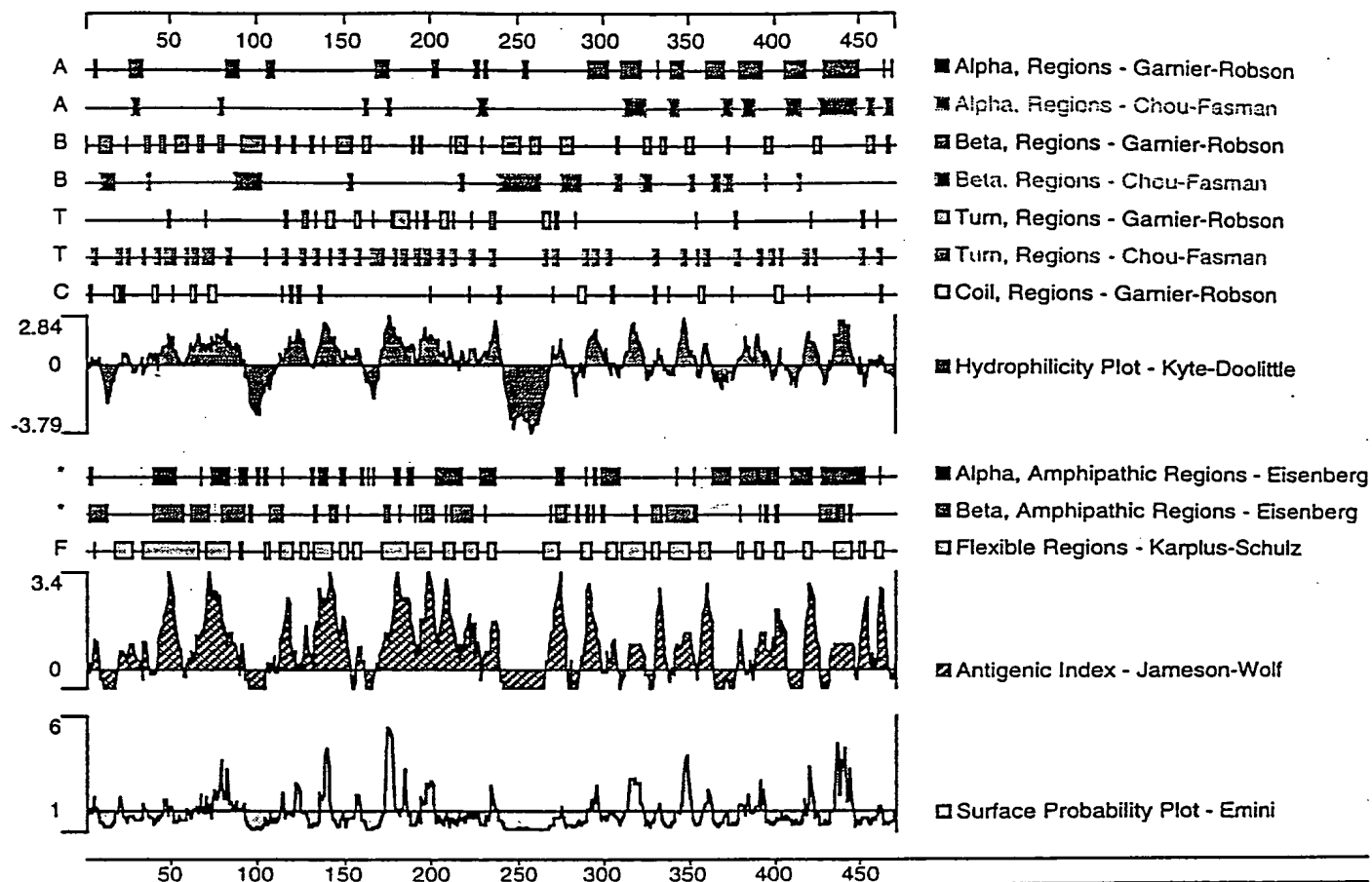


FIG. 4A

HTOIY07R

```

1  GGCANAGGTN CGTACCTAGC TCACCTGCAA CCATCAAAC T NATGATCAA
51 TCAATTGGCA CACAGCAATG GGAAACATAG CCCTTTGGAA GANTTGTNTC
101 CACCAGGATC TCATAGATCA AAACATCCTG GGAGCCTGTT AACCGGTGCC
151 CCAAAGGNTG GTCAAGGTCA AGGAATTGTT NCGCCCTGGA AGTGAACATC
201 GAGTGTNTCC ACAAAGGATT CAGGCAATGG GACATAAATA TATGGGTGAA
251 TTTTGGTTGT GAACTTTGGT TGNTCCCGTT GNTGTTGNTG GCTGTGCTGA
301 TTGTTTGTG TTGCATCGGC TTCAGGTTNT GGAGGGGGAC CCAAGTGCAT
351 GGACAGGGTG TGTTTCTGGG GTTTGGGTCT CTTAGAGGGC NTGGGT TANG
401 GCANGTTCAC AAGGGTTTTA GCAANG

```

FIG. 4B

HTXEY80R

```

1  TGGGGCTGAG GACAATGCTG ACNACGAGAT TCTGAGCAAC GCAGNACTNG
51 CTGTCCACTT TCGTCTNTGN GCAGCAAATG GAAAGCCAGG AGCCGGCAGA
101 TTTGACAGGT GTCACTGTAC AGTCCCCAGG GGAGGCACAG TGTCTGCTGG
151 TGAGTTGGGG ACAGGCCCTT GCAAGACCTT GTGAGGCAGG GGGTGAAGGC
201 CATGNCTCGG CTTCNNNTGG TCAAAGGGGA AGTGGAGCCT GAGGGAGATG
251 GGACTTNAGG GGGACGGNGC TGCGTGGGGA AAAAGCAGCC ACCNTTTGAC
301 AAGGGGGACA GGCATTTTTN CAAATGTGTG CTTNTTGGT

```

Figure 5A

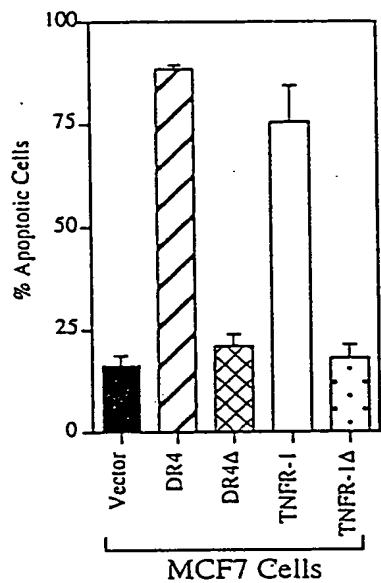


Figure 5B

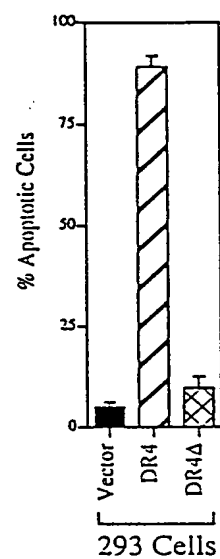


Figure 5C

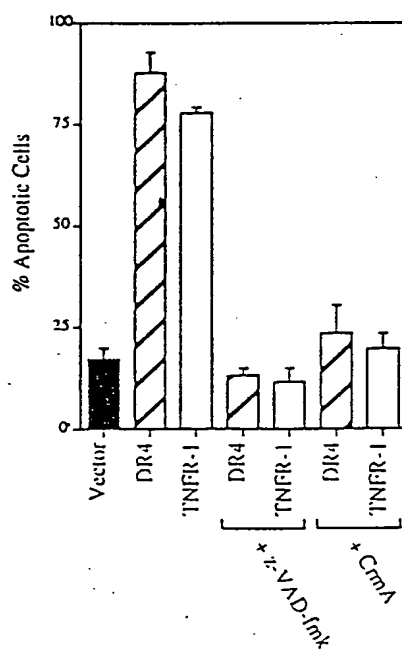


Figure 6A

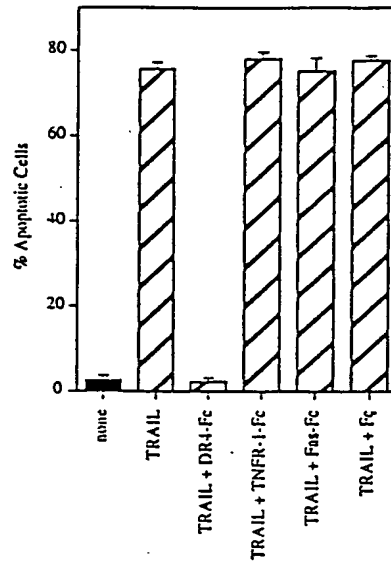


Figure 6B

